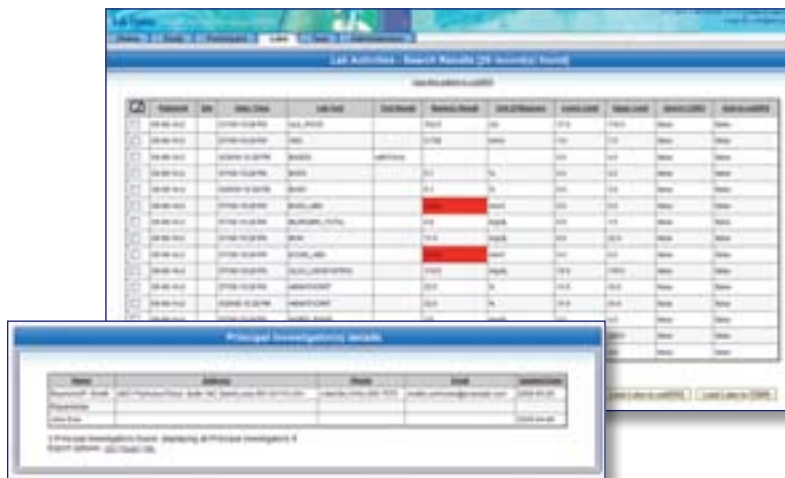


caBIG® Lab Viewer

Search, Display, and Share Clinical Laboratory Values to be Transferred from Clinical Chemistry Laboratory Systems to Clinical Trials Systems

Lab Viewer is an open-source, Web-based application that is used to view laboratory data in transit between clinical source systems (typically in-house clinical chemistry laboratory systems) and clinical trials systems (typically Clinical Data Management Systems, or CDMS) when such transfers are established using the caBIG® Integration Hub via its Cancer Center Hub Client. Users may browse for laboratory activity by study, participant ID, and date range. When Lab Viewer is used in conjunction with the caBIG® Clinical Trials Suite, users can select lab values that are specified in the clinical protocol as labs that must be collected and send them to the CDMS through the caBIG® Clinical Connector to automatically populate electronic Case Report Forms (eCRFs). Additionally, users can select out-of-range lab values (highlighted in red) to send an alert message to the Adverse Event Reporting System (caAERS) thereby indicating a potential adverse event.

Lab Viewer 2.0 has been enhanced to leverage the National Cancer Institute's services-based enterprise architecture. When users select study personnel and participating organizations in Lab Viewer they are selecting from a curated global list. Through this process, errors and inconsistencies are eliminated and standards are enforced.



caBIG® Lab Viewer interface

Categories of Use

- | | | | |
|---|--|--------------------------------------|---|
| <input type="checkbox"/> Biospecimens | <input type="checkbox"/> Data Sharing | <input type="checkbox"/> Imaging | <input type="checkbox"/> Proteomics |
| <input checked="" type="checkbox"/> Clinical Trials Management | <input type="checkbox"/> Genome Annotation | <input type="checkbox"/> Microarrays | <input type="checkbox"/> Translational Research |
| <input type="checkbox"/> Data Analysis & Statistical Tools | <input type="checkbox"/> Infrastructure | <input type="checkbox"/> Pathways | <input type="checkbox"/> Vocabularies |



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Features

- Features a user-friendly interface
- Leverages a search tab to retrieve laboratory activity by study title or identifier, participant name, patient identifier, and range of dates
- Filters lab results by lab test name, result (in/out of range), or date range
- Exports lab results to .CSV, .XLS, or .XML format
- Selects and sends laboratory data sets to other applications in the caBIG® Clinical Trials Suite through the caBIG® Integration Hub
- Views site and investigator details for a study (validated through NCI Enterprise Services)

Resources

Tool Overview Page	https://cabig-kc.nci.nih.gov/CTMS/KC/index.php/LabViewer
Primary Workspace	Clinical Trials Management Systems (CTMS) https://cabig.nci.nih.gov/workspaces/CTMS/
CTMS Knowledge Center	https://cabig-kc.nci.nih.gov/CTMS/KC
CTMS Forums	https://cabig-kc.nci.nih.gov/CTMS/forums
CTMS LISTSERVS	https://list.nih.gov/archives/cabig_ctms_cond_sig.html https://list.nih.gov/archives/cabig_ctms-l.html
caBIG® Tool Inventory	https://cabig.nci.nih.gov/inventory
caBIG® Support Service Providers	https://cabig.nci.nih.gov/esn/service_providers
NCI Center for Bioinformatics Applications Support	ncicb@pop.nci.nih.gov
caBIG® Product Representative	caBIGproductRep@nih.gov

Technical Overview

- Database (PostgreSQL or Oracle)
- Application container (Tomcat)
- caGrid (optional, needed for multi-site interactions and deployment as part of the caBIG® Clinical Trials Suite)

Other caBIG® Clinical Trials Suite Components

- caBIG® Adverse Event Reporting System (caAERS)
- caBIG® Central Clinical Participant Registry (C3PR)
- caBIG® Clinical Connector
- caBIG® Integration Hub
- caBIG® Patient Study Calendar (PSC)



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